

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/IB 31 MAY 2005  
PCT/IB 03/04971

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B29D11/00 B29C41/50		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29D B29C G02B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 691 263 A (KLIMENT KAREL ET AL) 12 September 1972 (1972-09-12)	1-3,8,9, 11,15-17
Y	column 5, line 11-19 column 6, line 6-24 column 6, line 49-67 figures 1,2,4,5	14
X	FR 1 227 497 A (STRAUB LOTHAR) 22 August 1960 (1960-08-22) page 1, column 1 page 2, column 2, line 20 - last line figures	1-3,17
Y	US 4 541 969 A (NEEFE CHARLES W) 17 September 1985 (1985-09-17) claim 14	14
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search  21 January 2004		Date of mailing of the international search report  28/01/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Bibollet-Ruche, D

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 3 454 686 A (JONES HARRY S)  8 July 1969 (1969-07-08)  claim 1; figure 5A  -----</p>	1-21

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Inter Publication No

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FR 1227497	A	22-08-1960	AT 232712 B CH 367622 A DE 1273798 B GB 883213 A	10-04-1964 28-02-1963 25-07-1968 29-11-1961
US 4541969	A	17-09-1985	NONE	
US 3454686	A	08-07-1969	NONE	